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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/680,346	10/07/2003	Harald Walter	PF/5-31300B/D1	5652	
26748	7590 09/06/2005	EXAMINER			
SYNGENTA CROP PROTECTION, INC.			GRAZIER, N	GRAZIER, NYEEMAH	
PATENT AND TRADEMARK DEPARTMENT 410 SWING ROAD		ART UNIT	PAPER NUMBER		
GREENSBORO, NC 27409			1626		
			DATE MAILED: 09/06/2005	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/680,346	WALTER ET AL.			
Office Action Summary	Examiner	Art Unit			
	Nyeemah Grazier	1626			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 1) ⊠ Responsive to communication(s) filed on 19 August 2005. 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is 					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) Claim(s) 1,2,5,6,10,11 and 13 is/are pending in the application. 4a) Of the above claim(s) 1, 2, 5 and 6 (in part) and 10,11 and 13 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,2,5 and 6 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplished any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 10/181,702. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>1/20/04</u>. 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

DETAILED ACTION

I. ACTION SUMMARY

Claims 3, 4, 7-9, 12 and 14 have been cancelled. Claims 1, 2, 5, 6, 10, 11 and 13 are pending. Claims 1, 2, 5, and 6, in part, and 10, 11 and 13 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected subject matter and or species.

II. PRIORITY

This application is a Divisional of U.S. Application Serial No. 10/181,702, now U.S. Patent No. U.S. 6,806,286, which is a National Stage Application under 35 U.S.C. 371 for EPO PCT/EP01/00592, filed January 19, 2001. This application claims the benefit to foreign application UK 0001447.2 filed on January 21, 2000.

III. RESPONSE TO RESTRICTION/ELECTION

Applicant's election without traverse of Group III, claims 1-9 in the reply filed on August 12, 2005 is acknowledged.

IV. <u>ELECTION</u>

Status of the Claims

Applicant's provisional election without traverse of the compound 2.23 as shown in table 2, in response to the requirement to restrict the products of Formula (I) is acknowledged.

Therefore, the scope of the invention for the elected subject matter are Claims 1, 2, 5, 6 as recited in "Amendments to the Claims" in the Response filed August 12, 2005 wherein:

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X is oxygen;

 R_1 - R_5 are as defined in the amended claims;

A is A_2 , A_3 and A_4 .

V. REJECTIONS

A. Obviousness-Type Double Patenting

Claims 1, 2, 5 and 6 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-7 of Eberle et al. (US Patent No. 6,365,620).

A rejection based on nonstatutory double patenting is based on a judicially created doctrine grounded in public policy so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969). See also M.P.E.P. § 804 (2001).

Obvious-type nonstatutory double patenting rejection is "analogous to [a failure to meet] the nonobviousness requirement of 35 U.S.C. §103" with the distinction that the double patent rejection is not considered prior art. Id. See also In re Braithwaite, 379 F.2d 594, 154 USPQ 29 (CCPA 1967). Thus, the analysis employed in an obviousness-type double patent rejection is

consistent with a §103(a) analysis set forth in <u>Graham v. John Deere Co.</u>, 383 U.S. 1, 148 USPQ 459 (1966).

Although the conflicting claims are not identical, they are not patentably distinct from each other. First, Instant Claims 1, 2, 5 and 6 are drawn to compounds of Formula (I),

wherein A is a group selected from A2, A3 or A4

wherein: \mathbf{X} is oxygen, $\mathbf{R_1}$ is substituted or unsubstituted C_1 - C_4 alkyl, with the exception of CF_3 ; substituted or unsubstituted C_3 - C_6 cycloalkyl; or halogen; $\mathbf{R_2}$ is hydrogen, substituted or unsubstituted C_1 - C_4 alkyl; substituted or unsubstituted C_1 - C_4 alkoxy; cyano or halogen; $\mathbf{R_3}$ is substituted or unsubstituted C_1 - C_4 alkyl; $\mathbf{R_4}$ inter alia represents C_3 - C_7 cycloalkyl, unsubstituted phenyl and substituted phenyl; $\mathbf{R_5}$ represents hydrogen, halogen, and C_1 - C_4 haloalkyl. (See Amend. to the Claims, pp. 2-5).

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Determining the Scope and Contents of the Co-pending Application

Conflicting claims 1-7 of U.S. Patent No. 6,356,620 B2, Eberie et al, recites a compound of formula (I). (See col. 22, ll. 16-62).

R₁ is hydrogen, substituted or unsubstituted C₁-C₄ alkyl, C₁-C₄ haloalkyl or halogen (See col. 22, 1, 29);

R₂ represents substituted or unsubstituted C₁-C₄ alkyl (See col. 22, ll. 30-33);

A is an orthosubstituted thienyl wherein the substituent is R4 (See col. 22, ll. 34-43);

 $\mathbf{R_3}$ is $\mathbf{C_3}$ - $\mathbf{C_7}$ cycloalkyl, unsubstituted phenyl and substituted phenyl (See col. 22, ll. 46-59);

 R_4 is hydrogen, hydrogen, halogen, and C_1 - C_4 haloalkyl, C_1 - C_4 haloalkoxy, C_1 - C_4 alkyl, and C_1 - C_4 haloalkyl alkoxy (See col. 22, ll. 60-62).

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Ascertaining the Differences Between Eberie et al. and the Instant Claims

The difference between the instant claims and Eberie et al. is that the compound of formula (I) is drawn to a subgenus wherein the formula is drawn to trifluorocarbon pyrrolecarboxamide.

F₃C

N

Contrarily, the Instant application is drawn to

pyrrolecarboxamide wherein the pyrrole may be substituted (R1) with substituted C_1 - C_4 alkyl groups, except CF_3 .

Resolving the Level of Ordinary Skill in the Pertinent Art

Absent a showing of unexpected results, it would have been obvious to one of ordinary skill in the art to synthesize the compound of the conflicting claims in Eberie et al.

A person skill in the pertinent art would be motivated to prepare the compounds of the instant invention by replacing the CF3 for other halo substituted alkyls such as CBr₃, CCl₃ or Cl₃ because fluorine, chlorine, bromine and iodine are all halogens and all classified in Group VII of the periodic table and therefore have similar properties. See e.g. Ex parte Wiseman, 98 USPQ 277 (1953). Additionally, the structure similarity of the compound of invention in the copending application and the compound because similar compounds are generally expected to have similar properties and have similar utilities. In re Gyurik, 596 F.2d 1012, 201 USPQ 552 (CCPA 1979).

B. Provisional Obviousness-Type Double Patenting

Claims 1, 2, 5 and 6 are *provisionally* rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over:

- (1) claims 1-3, 5, 6 of copending Application No. 10/785,839; and
- (2) claims 1, 2, 6, 7, and 15 of copending Application No. 10/416,219.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

A rejection based on nonstatutory double patenting is based on a judicially created doctrine grounded in public policy so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re* Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re* Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re* Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re* Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re* Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969). See also M.P.E.P. § 804 (2001).

Obvious-type nonstatutory double patenting rejection is "analogous to [a failure to meet] the nonobviousness requirement of 35 U.S.C. §103" with the distinction that the double patent rejection is not considered prior art. <u>Id. See also In re Braithwaite</u>, 379 F.2d 594, 154 USPQ 29 (CCPA 1967). Thus, the analysis employed in an obviousness-type double patent rejection is consistent with a §103(a) analysis set forth in <u>Graham v. John Deere Co.</u>, 383 U.S. 1, 148 USPQ 459 (1966).

Although the conflicting claims are not identical, they are not patentably distinct from each other. First, Instant Claims 1, 2, 5 and 6 are drawn to compounds of Formula (I),

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wherein A is a group selected from A2, A3 or A4

wherein: \mathbf{X} is oxygen, $\mathbf{R_1}$ is substituted or unsubstituted C_1 - C_4 alkyl, with the exception of CF_3 ; substituted or unsubstituted C_3 - C_6 cycloalkyl; or halogen; $\mathbf{R_2}$ is hydrogen, substituted or unsubstituted C_1 - C_4 alkyl; substituted or unsubstituted C_1 - C_4 alkoxy; cyano or halogen; $\mathbf{R_3}$ is substituted or unsubstituted C_1 - C_4 alkyl; $\mathbf{R_4}$ inter alia represents C_3 - C_7 cycloalkyl, C_4 - C_7 cycloalkenyl; $\mathbf{R_5}$ represents hydrogen, cyano, nitro, halogen C_1 - C_4 haloalkyl, C_1 - C_4 alkyl, C_1 - C_4 alkoxy- C_1 - C_4 alkyl. (See Amend. to the Claims, pp. 2-5).

Determining the Scope and Contents of the Co-pending Application

1. Conflicting claims 1-3, 5 and 6 of copending Application No. 10/785,836 recite a compound of formula (I). (See Claim 1, p. 52).

 \mathbf{R}_1 is hydrogen, substituted or unsubstituted \mathbf{C}_1 - \mathbf{C}_4 alkyl or halogen;

 $\mathbf{R_2}$ represents substituted or unsubstituted C_1 - C_4 alkyl;

$R_3 - R_5$ represents

C₁-C₆haloalkoxy;

R₃ is C₃-C₇cycloalkyl unsubstituted or mono- to trisubstituted by halogen, hydroxy, C1-C4alkoxy, C1-C4haloalkyl, C2-C4alkenyl, C2-C4alkynyl, C1-C4haloalkoxy or C1-C4alkyl; C4-C7cycloalkenyl unsubstituted or mono- to trisubstituted by halogen, hydroxy, C1-C4alkoxy, C1-C4haloalkyl, C2-C4alkenyl, C2-C4alkynyl, C1-C4haloalkoxy or $C_1\text{-}C_4$ alkyl; $C_6\text{-}C_7$ cyclodialkenyl unsubstituted or mono- to trisubstituted by halogen, hydroxy, C1-C4alkoxy, C1-C4haloalkyl, C2-C4alkenyl, C2-C4alkynyl, C1-C4haloalkoxy or C₁-C₄alkyl; thienyl, furyl, pyrrolyl, pyrazolyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, thiadiazolyl, imidazolyl, triazinyl, benzothienyl, tetrazolyl, 5,6-dihydro-1,4,2-dioxazinyl, pyridyl, pyrazinyl, pyridazinyl or pyrimidinyl, which are unsubstituted or substituted by halogen, C1-C6haloalkyl, C1-C6alkyl, hydroxy, cyano, nítro, CHO, C1-C4alkoxy-C1-C4alkyl, COOC1-C4alkyl, C1-C6haloalkoxy-C1-C4alkyl, C1-C6alkoxy or

R₃₁ is C₃-C₇cycloalkyl, C₃-C₇cycloalkenyl or C₅-C₇cycloalkadienyl which are unsubstituted or substituted by halogen, C1-C6alkoxy, C1-C6alkoxy-C1-C6alkyl, C1-C₆haloalkoxy-C₁-C₄alkyl, C₁-C₄alkyl, C₁-C₄haloalkoxy, C₂-C₄alkenyl or C2-C5alkynyl; phenyl unsubstituted or substituted by halogen, C1-C6alkoxy, C1-C₆haloaikoxy, C₁-C₄alkyl, C₁-C₄haloaikyl, C₂-C₄alkenyl, C₂-C₅ alkynyl, CHO, COOC₁- C_4 alkyl, C_1 - C_4 alkoxy- C_1 - C_4 alkyl, C_1 - C_4 alkyl- C_1 - C_4 alkoxy, C_1 - C_4 alkoxy- C_1 - C_4 alkyl, C₁-C₄haloalkyl-C₁-C₄alkoxy, cyano or nitro; thienyl, furyl, pyrrolyl, pyrazolyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, thiadiazolyl, imidazolyl, triazinyl, pyridyl, pyridazinyl, pyrazinyl or pyrimidinyl, which are unsubstituted or substituted by halogen, C1-C₆haloalkyl, C₁-C₆alkyl, hydroxy, cyano, nitro, CHO, COOC₁-C₄alkyl, C₁- $C_6 haloalkoxy - C_1 - C_4 alkyl, \ C_1 - C_4 alkoxy - C_1 - C_6 alkoxy \ or \ C_1 - C_6 haloalkoxy;$ R₄ is hydrogen; cyano; nitro; halogen; C₁-C₄alkoxy; C₁-C₄haloalkyl; C₁-C₄alkyl; C₁-C₄alkoxy-C₁-C₄alkyl; C₅-C₇cycloalkyl unsubstituted or substituted by C₁-C₃alkyl or C₁-C₃haloalkyl; C₁-C₄haloalkoxy-C₁-C₄alkyl; or C₁-C₄haloalkoxy; and R₅, R₆, R₇, R₈ and R₉ are identical or different and are each independently of the others hydrogen, halogen, C₁-C₄haloalkyl, C₁-C₄alkyl, C₁-C₆haloalkoxy-C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₄haloalkoxy, C₁-C₄alkoxy-C₁-C₄alkyl or C₃-C₇cycloalkyl.

X represents oxygen; and

A is A2, A3 and A4. (See Claim 1, p. 52).

2. Conflicting claims 1, 2, 6, 7, and 15 of copending Application No. 10/416,219 recite a compound, of Formula (I). (See Claim 1, p. 49).

R₁ is CF₂H or CFH₂;

 $\mathbf{R_2}$ represents C_1 - C_3 alkyl;

R₃ represents hydrogen;

R₄ is unsubstituted or substituted C6-C14 bicycloalkyl, bicycloalkenyl or C6-C14 bicycloalkadienyl;

R₅ and R₆ are independently of each other hydrogen or halogen;

X represents oxygen; and

Q is Q2, Q3 and Q4. (See Claim 1, p. 49).

Ascertaining the Differences Between the Copending Application and the Instant Claims

The difference between the instant claims and copending application 10/785,836 is that the compound of formula (I) is drawn to a subgenus wherein the formula is drawn to trifluorocarbon pyrrolecarboxamide.

drawn to pyrrolecarboxamide wherein the pyrrole may be substituted (R1) with substituted C_1 - C_4 alkyl groups, except CF_3 .

The difference between the instant claims and copending application 10/416219 is that the compound of formula (I) is drawn to a subgenus wherein the pyrrole is unsubstituted at the *ortho* position.

R₁

Also the substitutions of the thiophene rings (Q) can be

substituted with C_6 and C_7 bicycloalkyl, bicycloalkenyl and bicycloalkadienyl ring systems. (See Claim 1, p.49). The Instant invention however is drawn to a generic pyrrole ring wherein R2 represent hydrogen and the substitution on the thiophene ring (A) represents C_3 - C_7 cycloalkyl, C_4 - C_7 cycloalkenyl, or C_5 - C_7 cycloalkadienyl.

Resolving the Level of Ordinary Skill in the Pertinent Art

Absent a showing of unexpected results, it would have been obvious to one of ordinary skill in the art to synthesize the compound of the conflicting claims in copending application 10/785836 and 10/416,219.

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Regarding Application 10/785,836, a person skill in the pertinent art would be motivated to prepare the compounds of the instant invention by replacing the CF3 for other halo substituted alkyls such as CBr₃, CCl₃ or CI₃ because fluorine, chloring, bromine and iodine are all halogens and all classified in Group VII of the periodic table and therefore have similar properties. See e.g. Ex parte Wiseman, 98 USPQ 277 (1953). Additionally, the structure similarity of the compound of invention in the copending application and the compound because similar compounds are generally expected to have similar properties and have similar utilities. In re Gyurik, 596 F.2d 1012, 201 USPQ 552 (CCPA 1979).

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Regarding Application 10/416,219, a person skill in the pertinent art would be motivated to prepare the compounds of the instant invention because the cycloalkyl, cycloalkenyl and cycloalkadienyl as recited in the instant application encompasses mono and polycyclic systems.

Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application that matured into a patent. See *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). See also MPEP § 804.

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a non-statutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b). Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

VI. **OBJECTIONS**

Claim Objection-Non Elected Subject Matter

Claim 1 is objected to as containing non-elected subject matter. To overcome this objection, Applicant should amend Claim 1 by deleting/canceling "or pyrrolethioamide" in line 1 of claim 1 and deleting/canceling "orthosubstituted aryl" in line 10 where Applicant defines "A;" and by deleting "heteroaryl" and inserting "thiophenes" in line 10 where Applicant defines "A." directed solely to the subject matter indicated as being examinable, supra.

Claim Objections

Claims 2 and 6 are objected to because of the following informalities: The claims contain semicolon followed by a period. The semicolon should be deleted. Appropriate correction is required.

Dependent Claim Objections

Dependent Claims 2, 5 and 6 are also objected to as being dependent upon a rejected based claim. To overcome this objection, Applicant should rewrite said claims in an independent form and include the limitations of the base claim and any intervening claim.

VII. **CONCLUSION**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nyeemah Grazier whose telephone number is (571) 272-8781. The examiner can normally be reached on Monday through Friday from 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph K. McKane, can be reached on (571) 272 - 0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Very truly yours

eemah Grazier, Esq.

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